Page: 1

Otter Tail Ag Enterprises, LLC

WO: 001005 Account: Project: Status:

Submitted By:

Contact:

Date,Time: Type: 06/01/09,07:40

Type: PM
Priority: 3
Failure:

Failure: Est Down: OS Date,Time: Safety Procs: PM SCHEDULE

Phone:

Phone: Required:

Dispatched To:

Rating: Action: Downtime:

RS Date,Time: PM Desc:

PM0001 W VISUAL INSPECTION

06/08/09

7

ROUTE INFORMATION

Route: 5000 DRYER/DDGS

PROBLEM DESCRIPTION

VISUALLY INSPECT MACHINE, NOTING ANY THING OUT OF THE ORDINARY, EG: LEAKS, SMOKE, UNUSAL VIBRATION, SPARKS ETC. ALSO NOTE ANY UNUSAL NOISES. IF A MINOR PROBLEM IS FOUND, REPAIR. CHECK OIL LEVELS WHERE APPLICABLE. CHECK SEAL POT LEVEL AND PRESSURE WHERE APPLICABLE.

COMMENTS

AUTHORIZATION/COMPLETION INFORMATION

Authorized By:

Planned By: Completed By: PM SCHEDULE

10

Authorized:

06/01/09

Planned:

Completed:

5000; DRYER/DDGS Route:

WO Status: PM: PM0001 WO: 001005

Stop	CD	Eqp/Loc/CC Description	Location	Stock	Qty
1	Е	Y-5101 WETCAKE COLLECTING CONVEYOR	8	61	
2	Е	X-5201 M1 SYRUP MIXER (PMSX-11)			
3	E	Y-5201 WET CAKE TRANSFER CONVEYOR			
4	Е	X-5202 M19 WET FEED SCREW CONVEYOR (SCRU-13)			
5	Е	Y-5202 M4 WET CAKE FEED CONVEYOR			
6	Е	X-5208 M2 DOUBLE SHAFT PADDLE MIXER (PMXT-11)			
7	Е	X-5209 M3 MIXER OUTLET SCREW CONVEYOR (SCRF-11)			
8	Е	DR-5250 M12 ROTARY DRUM DRIVE (ROTO-11)	DRYER*_*_*_*_		
9	Е	X-5221 M5 HOPPER OUTLET SCREW (SCRU-11)			
10	Е	RV-5221 M6 DRUM DISCHARGE ROTARY VALVE (RVAL-12)			
11	Е	X-5212 M7 CYCLONE COLLECTION SCREW A (SCRO-11A)			
12	Е	RV-5202 M9 CYCLONE COLLECTION ROTARY VALVE (RVAL-11A)			
13	E	X-5213 M8 CYCLONE COLLECTION SCREW B (SCRO-11B)			
14	Е	RV-5203 M10 CYCLONE ROTARY VALVE (RVAL-11B)			

Route: 5000; DRYER/DDGS

WO: 001005 PM: PM0001 WO Status: I

WO:		001005	PM: PM0001	WO St	atus:
Stop	CD	Eqp/Loc/CC Description	Location	Stock	Qty
15	Е	X-5216 M18 RECYCLE ELEVATING DRAG CONVEYOR (DRAG-11)		6-4	
16	Е	FN-5202 RECIRCULATION FAN FOR ROTARY DRYER (FANC-12)			
17	Е	UH-5225 DRYER AIR HEATER			
18	Е	X-5218 M31 FLUID BED TRANSFER SCREW (SCRU-31)			
19	Е	RV-5218 M37 FLUID BED TRANSFER SCREW ROTARY VALVE (RVAL-31)			
20	Е	Y-5203B WDGS SLIP STREAM CONVEYOR			
21	Е	Y-5203A WDGS TRANSFER CONVEYOR	,		
22	Е	RV-5206 M32 FLUID BED DISCHARGE ROTARY VALVE (RVAL-32)			
23	Е	FBAG-31 DRYER BAG HOUSE			
24	E	X-5217 M35 BAG FILTER DISCHARGE SCREW (SCRU-32)			
25	Е	RV-5207 M36 BAG FILTER DISCHARGE ROTARY VALVE (RVAL-33)			
26	E	FN-5201 M11 COMBUSTION FAN FOR ROTARY DRYER (FANC-11)			
27	E	FN-5203 M34 FLUID BED EXHAUST FAN (FANC-31)			
28	E	Y-5301			

5000; DRYER/DDGS Route:

WO Status: PM0001 PM: 001005 WO:

	001005	PM: PM0001		
CD	Eqp/Loc/CC Description	Location	Stock	Qty
	FLUID BED COOLER CONVEYOR		6-0	-
Е	Y-5302 CONVEYOR FROM DRYER TO DDGS BUCKET ELEVATOR	DRYER*-*-*-		
Е	BE-5303 DRY DDGS GRAIN LEG FROM DRYER TO INCLINE CONVEYOR LEG 5	DRYER*-*-*-		
Е	Y-5304 NORTH/SOUTH INCLINE CONVEYOR	DDGS*-*-*-		
Е	Y-5305 DRY DDG EAST/WEST CONVEYOR			
Е	Y-5311 DDGS PIT CONVEYOR			
Е	BE-5315 DDG LOAD OUT LEG FROM DDGS TO BULK WEIGHER LEG 6	DDGS*-*-*-		
Е	HP-5317 BULK WEIGHER HYDRAULIC PUMP			
Е	Y-5320 DDG LOADOUT CONVEYOR	DDGS*-*-*-	,	
Е	CH-5345 LOADOUT SPOUT OVER TRUCK			
Е	CH-5335 LOADOUT SPOUT OVER RAIL			
		Fnd		
	E E E E E E	Eqp/Loc/CC Description  FLUID BED COOLER CONVEYOR  FLUID BED COOLER CONVEYOR  FLUID BED COOLER CONVEYOR  E Y-5302 CONVEYOR FROM DRYER TO DDGS BUCKET ELEVATOR  E BE-5303 DRY DDGS GRAIN LEG FROM DRYER TO INCLINE CONVEYOR LEG 5  E Y-5304 NORTH/SOUTH INCLINE CONVEYOR  E Y-5305 DRY DDG EAST/WEST CONVEYOR  E Y-5311 DDGS PIT CONVEYOR  E BE-5315 DDG LOAD OUT LEG FROM DDGS TO BULK WEIGHER LEG 6  E HP-5317 BULK WEIGHER HYDRAULIC PUMP  E Y-5320 DDG LOADOUT CONVEYOR  E CH-5345 LOADOUT SPOUT OVER TRUCK	CD Eqp/Loc/CC Description Location  FLUID BED COOLER CONVEYOR  E Y-5302 DRYER*-*-*-*  E BE-5303 DRY DDGS GRAIN LEG FROM DRYER TO INCLINE CONVEYOR  E Y-5304 NORTH/SOUTH INCLINE CONVEYOR  E Y-5305 DRY DDG EAST/WEST CONVEYOR  E Y-5311 DDGS PIT CONVEYOR  E BE-5315 DDG LOAD OUT LEG FROM DDGS*-*-*-*-  E HP-5317 BULK WEIGHER HYDRAULIC PUMP  E Y-5320 DDG LOADOUT CONVEYOR  E CH-5345 LOADOUT SPOUT OVER TRUCK  E CH-5335	CD Eqp/Loc/CC Description Location Stock  FLUID BED COOLER CONVEYOR  FLUID BED COOLER CONVEYOR  E Y-5302 CONVEYOR FROM DRYER TO DDGS BUCKET ELEVATOR  E BEST DDGS GRAIN LEG FROM DRYER TO INCLINE CONVEYOR LEG 5  E Y-5304 MORTH/SOUTH INCLINE CONVEYOR  E Y-5305 DRY DDG EAST/WEST CONVEYOR  E Y-5311 DDGS PIT CONVEYOR  E BE-5315 DDG LOAD OUT LEG FROM DDGS TO BULK WEIGHER LEG 6  E HP-5317 DDG LOAD OUT CONVEYOR  E CH-5345 LOADOUT SPOUT OVER TRUCK  E CH-5335 LOADOUT SPOUT OVER RAIL

Page: 1

Otter Tail Ag Enterprises, LLC

001018

Account:

PM SCHEDULE

Project:

Status: |

Submitted By:

OS Date, Time:

Safety Procs:

Contact:

WO:

Priority:

Failure: Est Down:

Date,Time: Type:

06/08/09,10:35

PM

3

Required:

Phone: Phone:

Dispatched To:

Rating: Action:

Downtime: RS Date, Time:

PM Desc:

PM0001 W VISUAL INSPECTION

06/15/09

7

ROUTE INFORMATION

Route:

5000

DRYER/DDGS

## PROBLEM DESCRIPTION

VISUALLY INSPECT MACHINE, NOTING ANY THING OUT OF THE ORDINARY, EG: LEAKS, SMOKE, UNUSAL VIBRATION, SPARKS ETC. ALSO NOTE ANY UNUSAL NOISES. IF A MINOR PROBLEM IS FOUND, REPAIR. CHECK OIL LEVELS WHERE APPLICABLE. CHECK SEAL POT LEVEL AND PRESSURE WHERE APPLICABLE.

## COMMENTS

# AUTHORIZATION/COMPLETION INFORMATION

Authorized By: Planned By:

Completed By:

PM SCHEDULE

Authorized:

06/08/09

Planned:

Completed:

# ROUTE

Otter Tail Ag Enterprises, LLC Page:1

Route:

5000; DRYER/DDGS

WO:

001018

PM:

PM0001

Stop	CD	Eqp/Loc/CC Description	Location	Stock	Qty
1	Е	Y-5101 WETCAKE COLLECTING CONVEYOR	R	6-11	
2	Е	X-5201 M1 SYRUP MIXER (PMSX-11)			
3	Ε	Y-5201 WET CAKE TRANSFER CONVEYOR			
4	Е	X-5202 M19 WET FEED SCREW CONVEYOR (SCRU-13)			
5	Е	Y-5202 M4 WET CAKE FEED CONVEYOR			2 *
6	Е	X-5208 M2 DOUBLE SHAFT PADDLE MIXER (PMXT-11)			
7	Е	X-5209 M3 MIXER OUTLET SCREW CONVEYOR (SCRF-11)			
8	Е	DR-5250 M12 ROTARY DRUM DRIVE (ROTO-11)	DRYER*_*_*_*_		
9	Е	X-5221 M5 HOPPER OUTLET SCREW (SCRU-11)			
10	Е	RV-5221 M6 DRUM DISCHARGE ROTARY VALVE (RVAL-12)			
11	Е	X-5212 M7 CYCLONE COLLECTION SCREW A (SCRO-11A)			
12	Е	RV-5202 M9 CYCLONE COLLECTION ROTARY VALVE (RVAL-11A)			
13	Е	X-5213 M8 CYCLONE COLLECTION SCREW B (SCRO-11B)			
14	Е	RV-5203 M10 CYCLONE ROTARY VALVE (RVAL-11B)			

Route:

5000; DRYER/DDGS

WO:

001018

PM:

PM0001

Stop	CD	Eqp/Loc/CC Description	Location	Stock	Qty
15	Е	X-5216 M18 RECYCLE ELEVATING DRAG CONVEYOR (DRAG-11)		6-11	
16	Е	FN-5202 RECIRCULATION FAN FOR ROTARY DRYER (FANC-12)			
17	Е	UH-5225 DRYER AIR HEATER			
18	Е	X-5218 M31 FLUID BED TRANSFER SCREW (SCRU-31)			
19	E	RV-5218 M37 FLUID BED TRANSFER SCREW ROTARY VALVE (RVAL-31)			
20	Е	Y-5203B WDGS SLIP STREAM CONVEYOR			
21	Е	Y-5203A WDGS TRANSFER CONVEYOR			
22	Е	RV-5206 M32 FLUID BED DISCHARGE ROTARY VALVE (RVAL-32)			
23	Е	FBAG-31 DRYER BAG HOUSE			
24	Е	X-5217 M35 BAG FILTER DISCHARGE SCREW (SCRU-32)			
25	Е	RV-5207 M36 BAG FILTER DISCHARGE ROTARY VALVE (RVAL-33)			
26	Е	FN-5201 M11 COMBUSTION FAN FOR ROTARY DRYER (FANC-11)			
27	Е	FN-5203 M34 FLUID BED EXHAUST FAN (FANC-31)			
28	Е	Y-5301			

Route:

5000; DRYER/DDGS

WO:

001018

PM:

PM0001

WO:		001018	THE. THOUSE.		
Stop	CD	Eqp/Loc/CC Description	Location	Stock	Qty
		FLUID BED COOLER CONVEYOR		6-11	
29	Е	Y-5302 CONVEYOR FROM DRYER TO DDGS BUCKET ELEVATOR	DRYER*-*-*-		
30	Е	BE-5303 DRY DDGS GRAIN LEG FROM DRYER TO INCLINE CONVEYOR LEG 5	DRYER*-*-*-		
31	Е	Y-5304 NORTH/SOUTH INCLINE CONVEYOR	DDGS*-*-*-		
32	Е	Y-5305 DRY DDG EAST/WEST CONVEYOR			
33	Е	Y-5311 DDGS PIT CONVEYOR			
34	Е	BE-5315 DDG LOAD OUT LEG FROM DDGS TO BULK WEIGHER LEG 6	DDGS*-*-*-		
35	Е	HP-5317 BULK WEIGHER HYDRAULIC PUMP			
36	Ε	Y-5320 DDG LOADOUT CONVEYOR	DDGS*-*-*-		
37	Е	CH-5345 LOADOUT SPOUT OVER TRUCK			
38	Е	CH-5335 LOADOUT SPOUT OVER RAIL			
			End		

Page: 1

Otter Tail Ag Enterprises, LLC

001028

Account:

PM SCHEDULE

Project:

Status: |

Submitted By:

Contact:

Priority:

Failure:

Est Down:

OS Date, Time:

Safety Procs:

WO:

Date, Time: Type:

06/15/09,13:54

PM 3

Phone:

Phone:

Required:

Dispatched To:

Rating: Action:

Downtime: RS Date, Time:

PM Desc:

PM0001 W VISUAL INSPECTION

06/22/09

7

**ROUTE INFORMATION** 

Route:

5000

DRYER/DDGS

# PROBLEM DESCRIPTION

VISUALLY INSPECT MACHINE, NOTING ANY THING OUT OF THE ORDINARY, EG: LEAKS, SMOKE, UNUSAL VIBRATION, SPARKS ETC. ALSO NOTE ANY UNUSAL NOISES. IF A MINOR PROBLEM IS FOUND, REPAIR. CHECK OIL LEVELS WHERE APPLICABLE. CHECK SEAL POT LEVEL AND PRESSURE WHERE APPLICABLE.

## COMMENTS

# AUTHORIZATION/COMPLETION INFORMATION

Authorized By: Planned By:

Completed By:

PM SCHEDULE

DP

Authorized:

Planned:

Completed:

06/15/09

5000; DRYER/DDGS Route:

WO Status: PM: PM0001 wo. 001028

WO:		001028	PM: PM0001	1	
Stop	CD	Eqp/Loc/CC Description	Location	Stock	Qty
1	Е	Y-5101 WETCAKE COLLECTING CONVEYOR	3	6-16	
2	Е	X-5201 M1 SYRUP MIXER (PMSX-11)			
3	Е	Y-5201 WET CAKE TRANSFER CONVEYOR			
4	E	X-5202 M19 WET FEED SCREW CONVEYOR (SCRU-13)			
5	Е	Y-5202 M4 WET CAKE FEED CONVEYOR			
6	Е	X-5208 M2 DOUBLE SHAFT PADDLE MIXER (PMXT-11)			
7	Е	X-5209 M3 MIXER OUTLET SCREW CONVEYOR (SCRF-11)			
8	Е	DR-5250 M12 ROTARY DRUM DRIVE (ROTO-11)	DRYER*_*_*_*_		
9	Е	X-5221 M5 HOPPER OUTLET SCREW (SCRU-11)			
10	Е	RV-5221 M6 DRUM DISCHARGE ROTARY VALVE (RVAL-12)			
11	Е	X-5212 M7 CYCLONE COLLECTION SCREW A (SCRO-11A)			
12	E	RV-5202 M9 CYCLONE COLLECTION ROTARY VALVE (RVAL-11A)			
13	E	X-5213 M8 CYCLONE COLLECTION SCREW B (SCRO-11B)			
14	E	RV-5203 M10 CYCLONE ROTARY VALVE (RVAL-11B)			

Route:

5000; DRYER/DDGS

WO: 0

001028

PM:

PM0001

WO:		001028	PM: PM0001	710 01411	
Stop	CD	Eqp/Loc/CC Description	Location	Stock	Qty
15	Е	X-5216 M18 RECYCLE ELEVATING DRAG CONVEYOR (DRAG-11)		6.16	
16	Е	FN-5202 RECIRCULATION FAN FOR ROTARY DRYER (FANC-12)			
17	Е	UH-5225 DRYER AIR HEATER			
18	Е	X-5218 M31 FLUID BED TRANSFER SCREW (SCRU-31)			
19	Е	RV-5218 M37 FLUID BED TRANSFER SCREW ROTARY VALVE (RVAL-31)			
20	Е	Y-5203B WDGS SLIP STREAM CONVEYOR			
21	Е	Y-5203A WDGS TRANSFER CONVEYOR			
22	Е	RV-5206 M32 FLUID BED DISCHARGE ROTARY VALVE (RVAL-32)			
23	Е	FBAG-31 DRYER BAG HOUSE			
24	Е	X-5217 M35 BAG FILTER DISCHARGE SCREW (SCRU-32)			
25	Е	RV-5207 M36 BAG FILTER DISCHARGE ROTARY VALVE (RVAL-33)			
26	Е	FN-5201 M11 COMBUSTION FAN FOR ROTARY DRYER (FANC-11)			
27	E	FN-5203 M34 FLUID BED EXHAUST FAN (FANC-31)			
28	E	Y-5301			
			Continued Next Page		

Route:

5000; DRYER/DDGS

WO:

001028

PM:

PM0001

WO:		001028			
Stop	CD	Eqp/Loc/CC Description	Location	Stock	Qty
		FLUID BED COOLER CONVEYOR		6-16	
29	Е	Y-5302 CONVEYOR FROM DRYER TO DDGS BUCKET ELEVATOR	DRYER*-*-*-		
30	Е	BE-5303 DRY DDGS GRAIN LEG FROM DRYER TO INCLINE CONVEYOR LEG 5	DRYER*-*-*-		
31	Е	Y-5304 NORTH/SOUTH INCLINE CONVEYOR	DDGS*-*-*-		
32	Е	Y-5305 DRY DDG EAST/WEST CONVEYOR			
33	Е	Y-5311 DDGS PIT CONVEYOR			
34	Е	BE-5315 DDG LOAD OUT LEG FROM DDGS TO BULK WEIGHER LEG 6	DDGS*-*-*-		
35	Е	HP-5317 BULK WEIGHER HYDRAULIC PUMP			
36	Е	Y-5320 DDG LOADOUT CONVEYOR	DDGS*-*-*-		
37	E	CH-5345 LOADOUT SPOUT OVER TRUCK			
38	E	CH-5335 LOADOUT SPOUT OVER RAIL			
			End		

Page: 1

Otter Tail Ag Enterprises, LLC

001040

Account:

Project:

Status: |

Submitted By:

PM SCHEDULE

Contact:

WO:

Date, Time:

06/22/09,11:05

Phone: Phone:

06/29/09

Type:

Priority:

PM

Required: Dispatched To:

Rating: Action:

7

Failure: Est Down: OS Date, Time: Safety Procs:

Downtime:

RS Date, Time: PM Desc:

PM0001 W VISUAL INSPECTION

ROUTE INFORMATION

Route:

5000

DRYER/DDGS

## PROBLEM DESCRIPTION

VISUALLY INSPECT MACHINE, NOTING ANY THING OUT OF THE ORDINARY, EG: LEAKS, SMOKE, UNUSAL VIBRATION, SPARKS ETC. ALSO NOTE ANY UNUSAL NOISES. IF A MINOR PROBLEM IS FOUND, REPAIR. CHECK OIL LEVELS WHERE APPLICABLE. CHECK SEAL POT LEVEL AND PRESSURE WHERE APPLICABLE.

## COMMENTS

## AUTHORIZATION/COMPLETION INFORMATION

Authorized By:

PM SCHEDULE

Authorized: Planned:

06/22/09

Planned By: Completed By:

pr

Completed:

# ROUTE

Otter Tail Ag Enterprises, LLC Page:1

Route:

5000; DRYER/DDGS

WO:

001040

PM:

PM0001

Stop	CD	Eqp/Loc/CC Description	Location	Stock	Qty
1	Е	Y-5101 WETCAKE COLLECTING CONVEYOR	}	C- 25	
2	Е	X-5201 M1 SYRUP MIXER (PMSX-11)			
3	Е	Y-5201 WET CAKE TRANSFER CONVEYOR			
4	Е	X-5202 M19 WET FEED SCREW CONVEYOR (SCRU-13)			
5	Е	Y-5202 M4 WET CAKE FEED CONVEYOR			
6	Е	X-5208 M2 DOUBLE SHAFT PADDLE MIXER (PMXT-11)			
7	Е	X-5209 M3 MIXER OUTLET SCREW CONVEYOR (SCRF-11)			
8	Е	DR-5250 M12 ROTARY DRUM DRIVE (ROTO-11)	DRYER*_*_*_*_		
9	Е	X-5221 M5 HOPPER OUTLET SCREW (SCRU-11)			
10	Е	RV-5221 M6 DRUM DISCHARGE ROTARY VALVE (RVAL-12)			
11	Е	X-5212 M7 CYCLONE COLLECTION SCREW A (SCRO-11A)			
12	Е	RV-5202 M9 CYCLONE COLLECTION ROTARY VALVE (RVAL-11A)			
13	Е	X-5213 M8 CYCLONE COLLECTION SCREW B (SCRO-11B)			
14	E	RV-5203 M10 CYCLONE ROTARY VALVE (RVAL-11B)			

Route:

5000; DRYER/DDGS

WO:

001040

PM:

PM0001

Stop	CD	Eqp/Loc/CC Description	Location	Stock	Qty
15	Е	X-5216 M18 RECYCLE ELEVATING DRAG CONVEYOR (DRAG-11)		6-27	
16	Е	FN-5202 RECIRCULATION FAN FOR ROTARY DRYER (FANC-12)			
17	Е	UH-5225 DRYER AIR HEATER			
18	Е	X-5218 M31 FLUID BED TRANSFER SCREW (SCRU-31)			
19	Е	RV-5218 M37 FLUID BED TRANSFER SCREW ROTARY VALVE (RVAL-31)			
20	Е	Y-5203B WDGS SLIP STREAM CONVEYOR			
21	Е	Y-5203A WDGS TRANSFER CONVEYOR			
22	Е	RV-5206 M32 FLUID BED DISCHARGE ROTARY VALVE (RVAL-32)			
23	Ε	FBAG-31 DRYER BAG HOUSE			
24	Е	X-5217 M35 BAG FILTER DISCHARGE SCREW (SCRU-32)			
25	Е	RV-5207 M36 BAG FILTER DISCHARGE ROTARY VALVE (RVAL-33)			
26	Е	FN-5201 M11 COMBUSTION FAN FOR ROTARY DRYER (FANC-11)			
27	Е	FN-5203 M34 FLUID BED EXHAUST FAN (FANC-31)			
28	Е	Y-5301		(_	
	<u> </u>	C	ontinued Next Page		

Route:

5000; DRYER/DDGS

WO:

001040

PM:

PM0001

Stop	CD	Eqp/Loc/CC Description	Location	Stock	Qty
		FLUID BED COOLER CONVEYOR		C-25	
29	Е	Y-5302 CONVEYOR FROM DRYER TO DDGS BUCKET ELEVATOR	DRYER*-*-*-		
30	Е	BE-5303 DRY DDGS GRAIN LEG FROM DRYER TO INCLINE CONVEYOR LEG 5	DRYER*-*-*-		
31	Е	Y-5304 NORTH/SOUTH INCLINE CONVEYOR	DDGS*-*-*-		
32	Е	Y-5305 DRY DDG EAST/WEST CONVEYOR			
33	Е	Y-5311 DDGS PIT CONVEYOR			
34	E	BE-5315 DDG LOAD OUT LEG FROM DDGS TO BULK WEIGHER LEG 6	DDGS*-*-*-		
35	Е	HP-5317 BULK WEIGHER HYDRAULIC PUMP			<b>M</b>
36	Е	Y-5320 DDG LOADOUT CONVEYOR	DDGS*-*-*-		
37	Е	CH-5345 LOADOUT SPOUT OVER TRUCK			
38	Е	CH-5335 LOADOUT SPOUT OVER RAIL			